Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
-	-	0.00	39.00	0.00	0.00	0.00	
-	-	0.00	5500.00	0.00	0.00	0.00	
-	-	0.00	22.00	0.00	0.00	0.00	
-	-	0.00	9100.00	0.00	0.00	0.00	
-	-	114.86	63.00	7236.00	114.86	7236.00	
				1557704.00		**1557704.00**	

Sl. No.		Unit
14	providing and applying primer coat from 7.5 to 9.8 kg and 9.8 to 12.2kg per 10 sqm for surfaces of medium porosity respectively over prepared surface of granular base with cut bank M.C-70 or any other bitumen mixed with diesel at 10 kg per 10 sqm heated in bitumen boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries etc complete as per specifications and directions of engineer in charge of the work	Sqm
15	Providing and laying **bituminous macadam** on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant 40 tonne capacity, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, 50 / 75mm compacted thickness with 3.3% bitumen but excluding cost of primer / tack cost with lead upto 1km including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH chapter 5, **With 80/100 grade bitumen,** etc complete as per specifications and directions of engineer in charge of the work	Cum
16	providing and applying tack coat on granular base such as WBM and WMM surfaces hot bitumen primed at 10 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries etc complete as per specifications and directions of engineer in charge of the work	Sqm
17	providing and laying **bituminous concrete** 40mm thick with 100-120 TPH batch type hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 5.4 to 5.6% of mix and filler, transporting the hot mix to work site, laying with hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desire compaction as per MORTH specification clause No. 500.9 complete In all respects as per specifications. MORTH specification NO. 509, **With bitumen 80/100,** etc complete as per specifications and directions of engineer in charge of the work	Cum
18	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. etc complete as per specifications and directions of engineer in charge of the work	Cum
	Total	

CERTIFICATE

1. Certified that the above work done satisfactory and no materials issued from departmentally.

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
-	-	108.00	110.00	11880.00	108.00	11880.00	
-	-	162.00	33.00	5346.00	162.00	5346.00	
-	-	436.07	74.00	32269.00	436.07	32269.00	
-	-	30.73	3230.00	99258.00	30.73	99258.00	
-	-	11.76	2350.00	27636.00	11.76	27636.00	
-	-	23.52	2760.00	64915.00	23.52	64915.00	
-	-	2.35	3575.00	8401.00	2.35	8401.00	
-	-	39.20	64.00	2509.00	39.20	2509.00	
-	-	458.08	188.00	86119.00	458.08	86119.00	
-	-	62.16	4290.00	266666.00	62.16	266666.00	
-	-	40.47	5500.00	222585.00	40.47	222585.00	
-	-	478.37	102.00	48794.00	478.37	48794.00	
-	-	674.09	1000.00	674090.00	674.09	674090.00	

Original/Duplicate/Triplicate
CONTRACT CERTIFICATE

SBR No. 9 13-14

No. ~~part~~ *First & ~~Final~~* (For Other Works) Date: 30/4/2013

Division: **BBMP, Byatarayanapura** Sub-Division: **BBMP, Vidyaranyapura**

Bill Received No. 90 Dated Divisional 30/4/2013 Cash Book Voucher No..... Dated.....

Schedule Docket No. Head of Account: 8543/P-2545 Sub Divisional **Work Code: 009-12-000021**

Est.Cost: 35.00 Lakhs D.R.No. :

Name of Work (as per sanctioned estimate): **Improvements of Nanjappa Circle in Ward No. 09, Vidyaranyapura Sub Division.**

Name of Contractor and Full Address: ***Sri. B.H. Shivakumar, # 1304, 12th Cross, 7th Main, West of chord road, Bangalore - 86.***

Reference to Agreement No. **EE/BTP/BBMP/E-PMT/ 04(3673)/WO/273/2012-13** Date: **23.01.2013**

Certified that the measurements were taken by me on 29/04/13 and recorded of **Pages** 19505 to 19505 of measurement Book No. 1951 and that the work is satisfactorily executed.

Contractor **Officer-in-charge of work**

Certified that the measurement were taken by me on 29/4/13 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

II Memorandum of Payment

		Amount
1)	Total value of work done or supplies made as per account within	
2)	Deduct amount to be held in reserve being .....percent Rs.....	
3)	" Balance	
4)	Deduct Payment:	
	a. Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... adjusted towards cash advance recovery of	Paid Bill — 1557704=00
	b. Payments Now made } cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.	IT — 15577 — KSS — 62308 — FSD — 93462 — LWF — 15577 — CSF — 1558 — Roy — 45707=00 Pen — 1579=00
5)	Balance being unpaid value of work done held in reserve.	
6)	Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.	
7)	Net amount due to or from Contractor unadjustments items.	
8)	Advance to Contractor for materials brought to site (as detailed) within.	
9)	Value of Government materials supplied.	
	Total amount adjusted -	2357768=00

Contractor's Signature

By Cheque — 13,21,936=00

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum

(in final settlement of all demands)

Witness
1.
2.
Dated Signature of Contractor
Paid by me by Cheque No..... Dated.....
Cash Rs.....
Dated.....

Vr. No 09 9.12.14
Chq No 582794 10.12.14
Amount Rs 1321936=00
Asst. Supdt.
B.T. Pura Division
BBMP.

Stamp

(For use in the Office)
1557704=00
By Cheque 1321936=00
and Rs 235768=00
Accts Supdt.
Byatarayanapura PO
BBMP.

Initials of Officer making payment **Executive Engineer**

Sl. No.		Unit
1	Dismantling size stone masonry in clay mortar and stacking the size stone within a radius of 50 m and removing the debris to a distance upto 200m, etc complete as per specifications and directions of engineer in charge of the work	Cum
2	Dismantling cement concrete flooring or plain cement concrete work including removing and conveying the debris to distance upto 200 m (within average thickness of 15 cms), etc complete as per specifications and directions of engineer in charge of the work	sqm
3	Earth work excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3.etc complete as per specifications and directions of engineer in charge of the work	cum
4	Providing and laying in position plain cement concrete of **mix M7.5 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing etc complete as per specifications and directions of engineer in charge of the work	Cum
5	Providing and constructing granite / trap / basalt size stone masonry in **foundation with cement mortar 1:6**, stone hammered dressed in courses not less than 20 cms high, bond stones, at two m. apart in each course including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work	Cum
6	Providing and constructing granite / trap / basalt size stone masonry in **basement with cement mortar 1:6,** edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work	Cum
7	Providing and laying in position **plain cement concrete of mix M10 with OPC cement @ 220 Kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.84 cum and fine aggregates @ 0.56 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing etc complete as per specifications and directions of engineer in charge of the work	Cum
8	Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work.	Sqm
9	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour etc complete as per specifications and directions of engineer in charge of the work	Sqm
10	Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal**, coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastisiser @ 3lts confirming to IS 9103-1999 reaffirmed-2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, walls (any thickness) including attached plasters, column, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour, HOM of machinery, curing, etc complete as per specifications and directions of engineer in charge of the work	Cum
11	providing **T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery etc complete as per specifications and directions of engineer in charge of the work	Qtl
12	Earth work excavation and foming in embankment by manual means in hard soil with initial lead upto 15m, and lift of 1.5m, (when earth Is taken from bank cutting of from borrow pits) including breaking of clods, spreading to required line and level, forming, and cost of all labour complete as per specifications. (excluding watering and compaction of earth) etc complete as per specifications and directions of engineer in charge of the work	Cum
13	Providing, laying spreading and compacting graded stones aggregate to wet mix macadam specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density etc complete as per specifications and directions of engineer in charge of the work	Cum

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